



FIG. 1A



h5HT4B : VMDKLDANVSSSEEGGSVVKVVLITFLSTVILMAILGNLLVMVAVCMDRQLRKIKTNYFTIVSLSAFADLIVSVLVMPE : 77

h5HT4B : GAIELVQDIWIIYGEVEFLVRTSLDVLITTASIFHLCCISLDRYXAICCQBLVYRNKMTPLRIALMIGGCWVTPPEIS : 154

h5HT4B : FLPIMQGNNIGIDLERSLNQGLGQDEHATEKRKENQNNSNTYCVEMVNKPYAJTCCSVVAFYXIPFLLMVLAYXRY : 231

h5HT4B : VTAKEHAHOIOMLQRAGASSESRPOSADOHSTHMRTEKAAKTLCLIMGCFCCLCWAPEFFVTNIVDPEIDYTVFGQV : 308

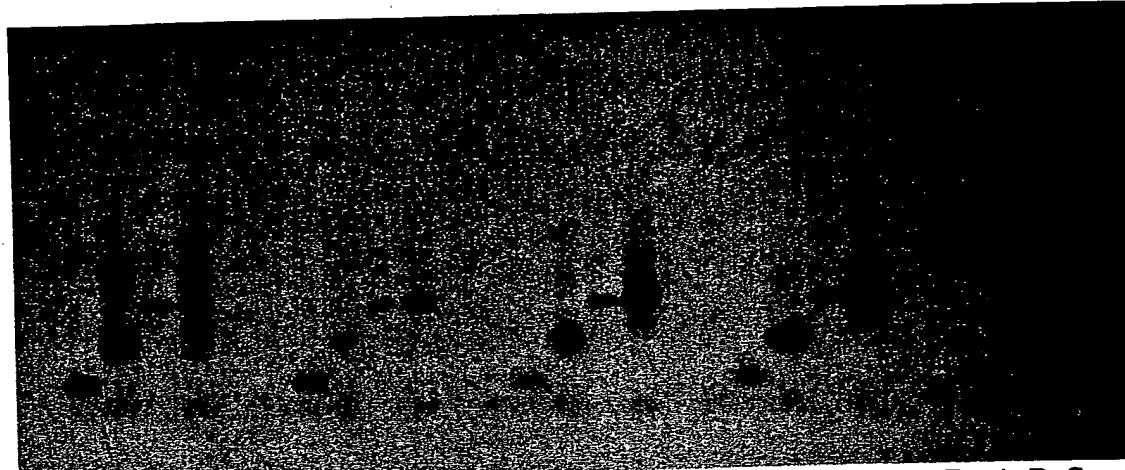
h5HT4B : WTAFLWLGYINSGLNPFLYAFLNKSFRRAFLLILCDDERYRRESILGQTVPCSTTTINGSTHVLRDAVECGGQWES : 385

h5HT4B : OCHBPRATSPIVAAQPSDTAPGTMTOQKTAMPPKEGVISCCL : 426

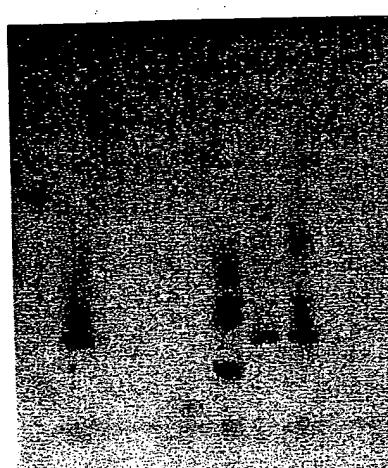
**FIG. 1B**



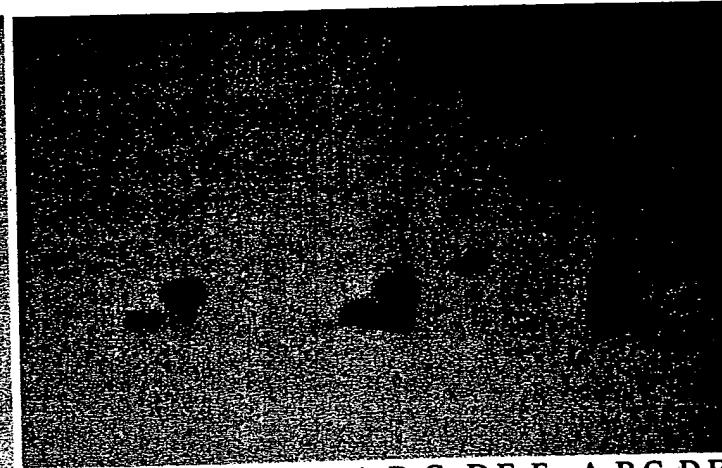
Fig. 2



A B C D E F   A B C D E F   A B C D E F   A B C D E F   A B C  
stomach   esophagus   adrenal glands   LES   small intestine



D E F   A B C D E F  
small intestine   large intestine



A B C D E F   A B C D E F   A B C D E F  
hippocampus   cerebellum   striatum

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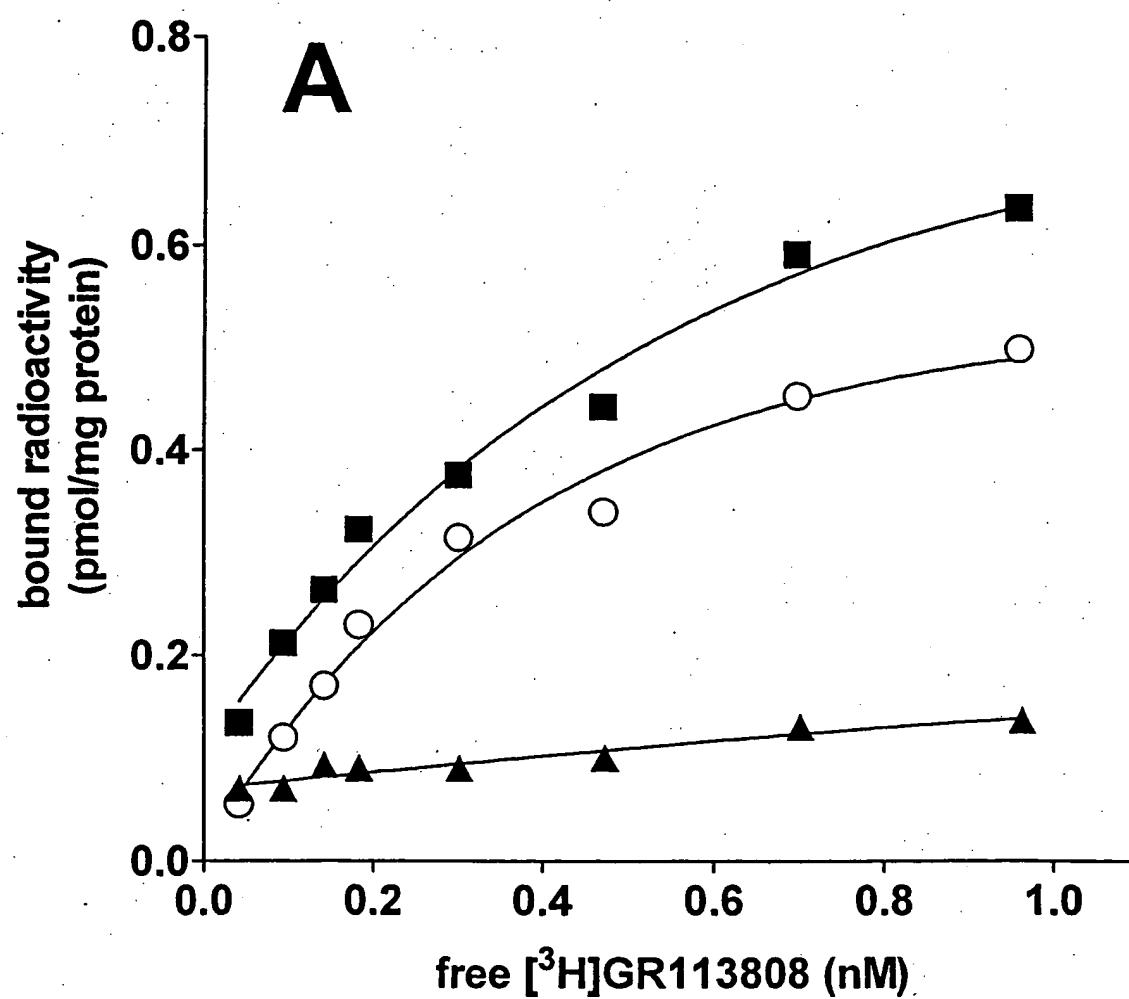


FIG. 3

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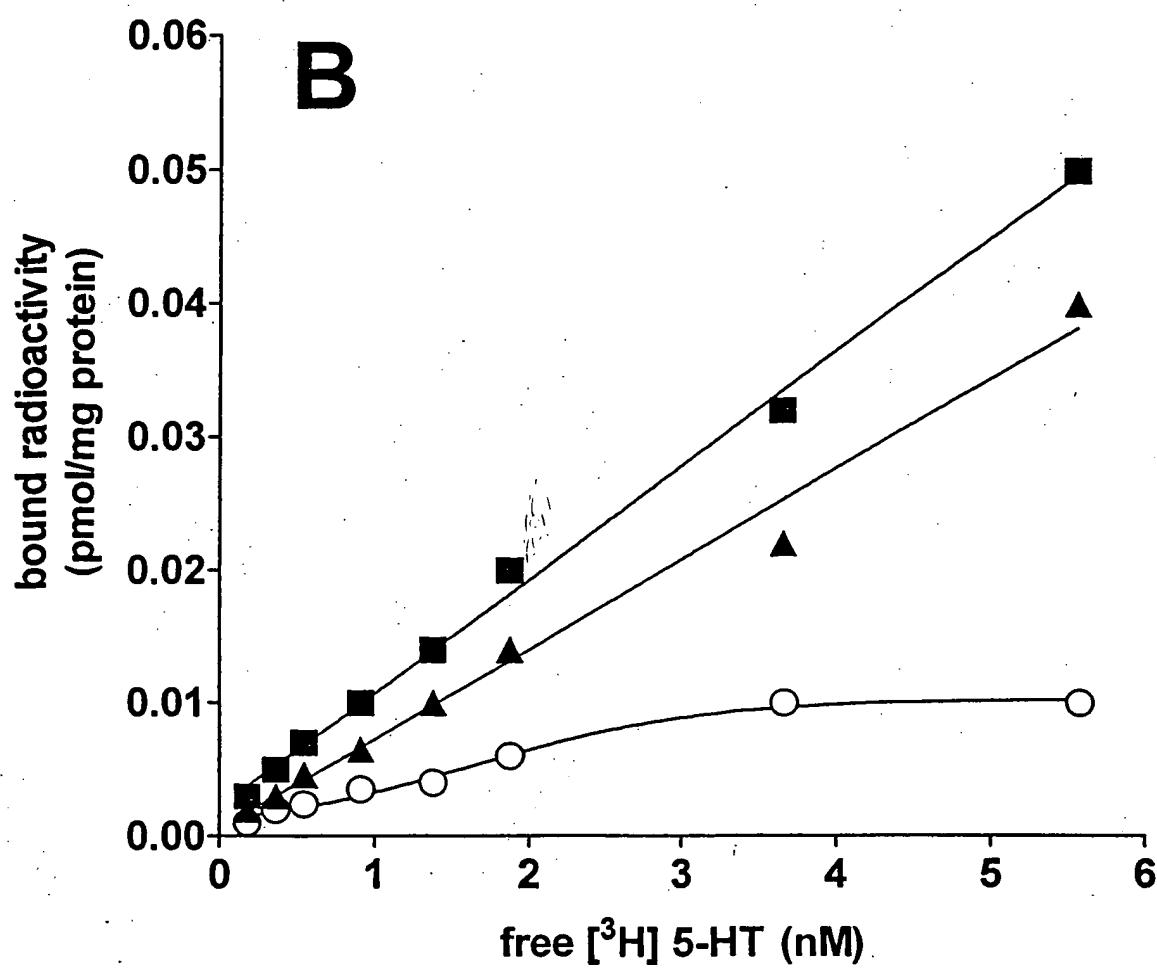


FIG. 4

### Stimulation of AC through human 5-HT<sub>4h</sub> receptor in COS-7 cells

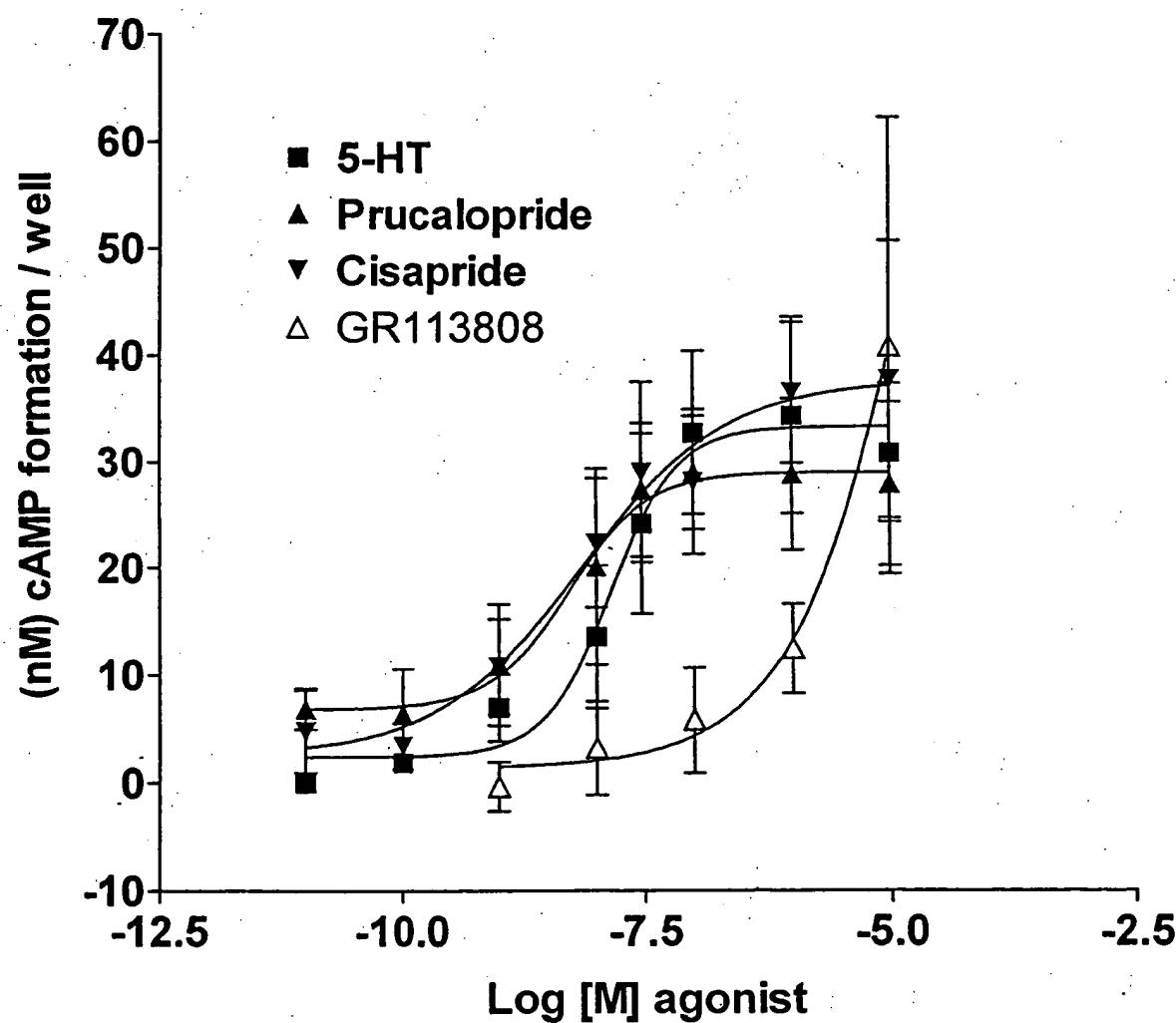


FIG. 5

Binding profile of the human 5-HT<sub>4(h)</sub> COS-7 cells

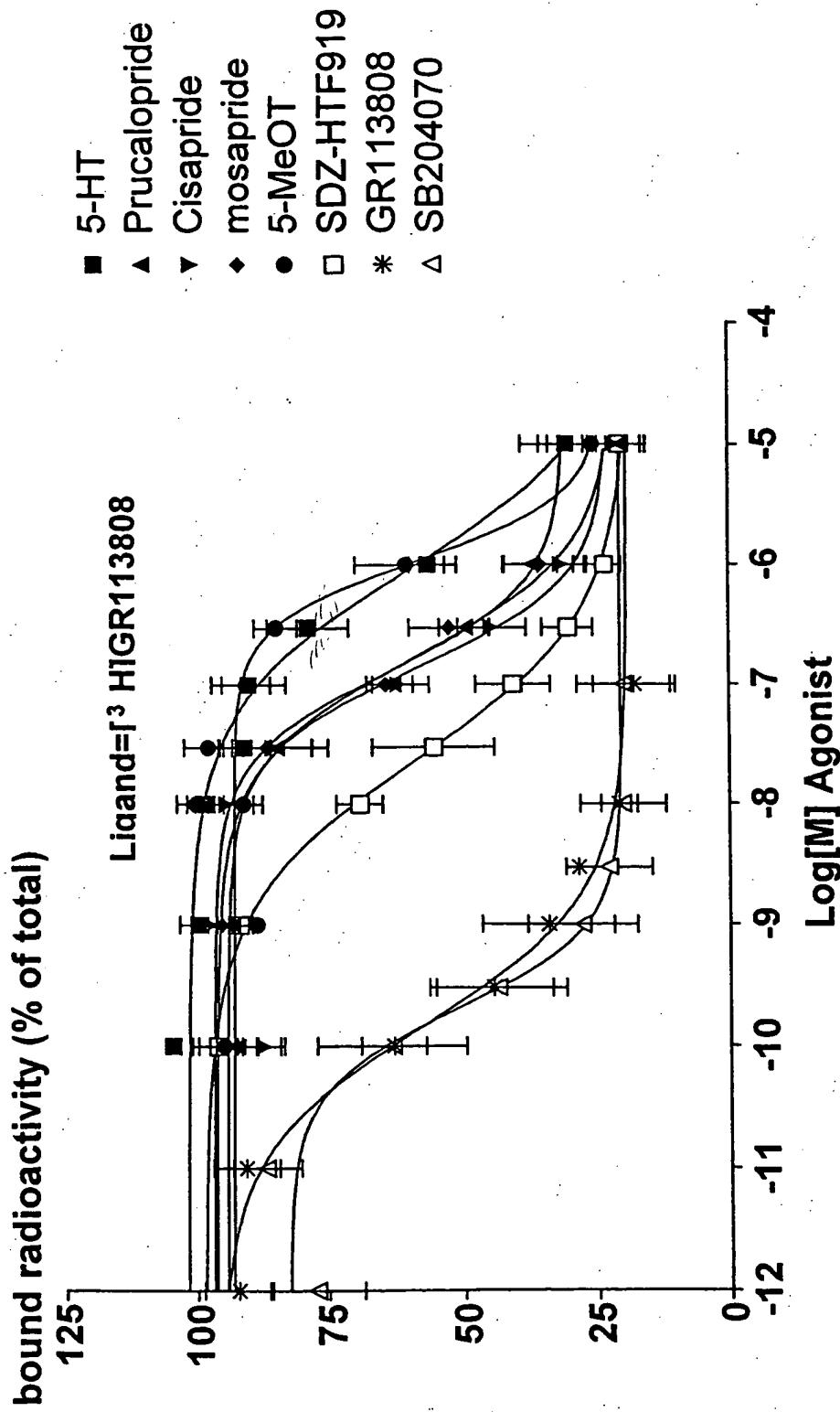


FIG. 6